Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Thursday 10 Aug 2023 until 23:59 on Friday 11 Aug 2023

Forecast Issued on Wednesday 09 Aug 2023 at 12:39

Confidence: High confidence for brief warm spell Thursday and for the return to cooler and more unsettled conditions through the weekend. Lower confidence in precipitation and cloud detail.

Headline for Thursday 10 Aug 2023: Warm and dry with long sunny spells.

Mountain weather hazards on Thursday 10 Aug 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** High Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Partly cloudy (night)	Clear night	Sunny	Sunny	Sunny intervals	Sunny intervals	Cloudy	Dull
Precipitation probability							
<05%	<05%	<05%	<05%	<05%	<05%	10%	20%

Forecast for Thursday 10 Aug 2023

Weather: Generally dry through the early hours with variable cloud amounts. Any patches of valley fog or low cloud across summits will quickly clear after dawn to leave a day with bright or sunny spells. Feeling much warmer Cloud thickening from the southwest through the evening, with outbreaks of rain from around midnight, perhaps locally heavy.

Chance of cloud-free hill tops above 600m: 40% at first, soon improving to 90% or more. 50% in the west late on.

Low cloud and visibility: Areas of low cloud and valley fog should lift and clear quickly after dawn with any cloud then remaining comfortably above summits for much of the day. Thicker cloud could again lower onto the highest summits around midnight. Visibilities generally good or very good, although poor or very poor in early mist or fog.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Met Office Mountain Weather Forecast

Forecast for Thursday 10 Aug 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	7/9 S	9/13 S	9/13 S	13/18 S	12/18 S	14/20 S	12/17 S	16/24 S	15/23 SW
300	4/6 SE	7/12 S	8/12 S	11/16 S	10/17 S	11/18 S	9/16 S	11/20 S	11/18 S
Valley	3/5 E	4/9 E	4/10 E	8/16 S	9/16 S	9/17 S	7/16 S	8/20 S	8/19 S

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	15/14	15/14	16/14	17/15	19/17	20/17	20/18	18/15	16/13
300	16/16	16/16	17/17	19/18	21/20	23/21	22/22	20/19	18/17
Valley	16/16	16/16	17/17	20/20	22/22	24/23	23/23	20/20	19/18
Freezing Level*	3500m	3400m	3400m	3500m	3600m	3500m	3200m	3300m	3600m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

UV levels are expected to be moderate to high in bright or sunny spells, so sun protection is advisable. Brief deterioration in conditions in and around blustery showers.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Wed 09 Aug 2023	0mm	0mm	0.2mm

Forecast for Friday 11 Aug 2023

Weather: Bands of showery rain are expected to track east across the Peaks overnight, with a low risk of heavy bursts or thunder in the early hours. A cloudier day follows, but still seeing sunny spells widely. Scattered showers likely developing by day, these expected to blow through quickly given the fresh and blustery winds.

Maximum wind: Southwest 15-20 gusting 25-30mph.

Chance of cloud-free hill tops above 600m: 20% through the early hours, then improving to above 90%.

Low cloud and visibility: Banks of low cloud in association with frontal rain, bases around 500-600m. Slower to clear higher summits in the north of the Peaks. Otherwise, bases are likely to remain above tops throughout. Visibility good or very good, but moderate to poor in overnight rain.

Temperature: **Valleys:** Plus 18 Celsius, rising to Plus 23 Celsius.
At 600m: Plus 15 Celsius, rising to Plus 19 Celsius.
Freezing level: Well above summits.

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